

BIBLIOGRAPHY

- Abbas AK, Lichtman AH, Pober JS. Cellular and molecular immunology. 4th ed. Philadelphia: W.B Saunders, 2000.
- Artherton JD. The gingiva response to orthodontic tooth movement. *Am J Orthod* 1970; 58: 179-86.
- Baldwin PD, Pender N, Last KS. Effects on tooth movement of force delivery from nickel-titanium archwires. *Eur J Orthod* 1999; 24: 481-9.
- Bartold PM. Proteoglycans of periodontium: structure, role and function. *J Periodont Res* 1987; 22: 431-4.
- Bartold PM, Miyi Y, McAllister B, Narayanan AS, Page RC. Glycosaminoglycans of human cementum. *J Periodont Res* 1988; 23: 13-7.
- Bartold PM, Page RC. The effect of chronic inflammation on gingival tissue proteoglycans and hyaluronic acid. *J Oral Patho* 1986; 15: 367-74.
- Curtis MA, Gillett IR, Griffiths GS. Detection of high-risk groups and individuals for periodontal disease: Laboratory markers from analyses of gingival crevicular fluid. *J Clin Periodontol* 1989; 16: 1-11.
- Davidovitch Z. Cell biology associated with orthodontic tooth movement. In: Berkovitz BKS, Moxham BJ, Newman HN (eds.) *The Periodont Ligament in Health and Disease*, ed 2. St Louis: Mosby-Wolfe, 1995.
- Davidovitch Z. Tooth movement. *Oral Biol & Med* 1991; 2: 411-50.
- Dincer M, Gulsen A, Turk T. The retraction of upper incisors with the PG retraction system. *Eur J Orthod* 2000; 22(1): 33-41.
- Embery G, Oliver WM, Stanbury JB. The metabolism of proteoglycans and glycosaminoglycans in inflamed human gingiva. *J Periodont Res* 1979; 14: 512-9.

- Embery G, Oliver WM, Stanbury JB, Purvis JA. The electrophoretic detection of acidic glycosaminoglycans in human gingival sulcus fluid. *Archs Oral Biol* 1982; 27: 177-9.
- Engstrom PE, Shi XQ, Tronje G, Larsson A, Walander U, Frithiof L, Engstrom GN. The effect of hyaluronan on bone and soft tissue and immune response in wound healing. *J Periodontol* 2001; 72(9): 1192-200.
- Farndale RW, Buttle DJ, Barrett AJ. Improved quantitation and discrimination of sulphated glycosaminoglycans by use of dimethylene blue. *Biochem. et. Biophys. Acta.* 1986; 883:173-7.
- Fine DH, Mandel ID. Indicators of periodontal disease activity: an evaluation. *J Clin Periodontol* 1987; 13: 533-46.
- Gjessing P. Controlled retraction of maxillary incisors. *Eur J Orthod* 1992; 101(2): 120-31.
- Huffman DJ, David C. A clinical evaluation of tooth movement along arch wires of two different sizes. *Am J Orthod* 1983; 83: 453-9.
- Ijuin C, Ohno S, Tanimoto K, Honda K, Tanne K. Regulation of hyaluronan synthase gene expression in human periodontal ligament cells by tumour necrosis factor- α , interleukin-1 β and interferon- γ . *Archs Oral Biol* 2001; 46: 767-72.
- Itano N, Sawai T, Yoshida M. Three isoforms of mammalian hyaluronan synthases have distinct enzymatic properties. *J Biol Chem* 1999; 274: 25085-92.
- Insoft M, King GJ, Keeling SD. The measurement of acid and alkaline phosphatase in gingival crevicular fluid during orthodontic tooth movement. *Am J Orthod* 1996; 109: 287-96.
- Jentsch H, Pomowski R, Kundt G, Gocke R. Treatment of gingivitis with hyaluronan. *J Clin Periodontol* 2003; 30: 159-64.
- Kagayama M, Sassano Y, Akita H. Time and position-specific expression of glycosaminoglycans in rat molar cementum related to physiological tooth movement. *J Periodont Res* 1995; 30: 285-9.

- Kagayama M, Sasano Y, Mizoguchi I, Kamo N, Takahashi I, Mitani H. Localization of glycosaminoglycans in periodontal ligament during physiological and experimental tooth movement. *J Periodont Res* 1996; 31: 229-34.
- Kavadia-Tsatala S, Kaklamanos EG, Tsalikis L. Effects of orthodontic treatment on gingival crevicular fluid flow rate and composition: Clinical implications and applications. *Int J Adult Orthod Orthognath Surg* 2002; 17(3): 191-205.
- Lamster IB, Hartley LJ, Oshrain RL, Gordon JM. Evaluation and modification of spectrophotometric procedures for analysis of lactate dehydrogenase, beta-glucuronidase and arylsulphatase in human gingival crevicular fluid collected with filter-paper strips. *Archs Oral Biol* 1985; 30(3): 235-42.
- Last KS, Cawood JI, Howell RA, Embery G. Monitoring of Tubingen endosseous dental implants by glycosaminoglycans analysis of gingival crevicular fluid. *International J Oral & Maxillofacial implants* 1991; 6: 42-9.
- Last KS, Donkin C, Embery G. Glycosaminoglycans in human gingival crevicular fluid during orthodontic movement. *Archs Oral Biol* 1988; 33(12): 907-12.
- Last KS, Embery G. Hyaluronic acid and hyaluronidase activity in gingival exudates from sites of acute ulcerative gingivitis in man. *Archs Oral Biol* 1987; 32(1): 811-5.
- Last KS, Stanbury JB, Embery G. Glycosaminoglycans in human gingival crevicular fluid as indicators of active periodontal disease. *Archs Oral Biol* 1985; 30: 275-81.
- Linhe J, Nyman S, Ericsson I. Trauma from occlusion. In: *Textbook of Clinical Periodontology* (Edited by Linhe J) Chap. 8. Munksgaard, Copenhagen 1983.
- MacNeil MC, Heath JK, Reynolds JJ. Development of the murine periodontium. II. Role of the epithelial root sheath in formation of the periodontal attachment. *J Periodontol* 1993; 64: 285-91.
- Nishino W, Shibutani T, Murahashi Y. ELISA detection of proteoglycans in gingival crevicular fluid. *J Japan Ass Periodont* 1990; 32: 615-22.
- Pender N, Samuels RHA, Last KS. The monitoring of orthodontic tooth movement over 2 years period by analysis of gingival crevicular fluid. *Eur J Orthod* 1994; 16: 511-20.

- Pilloni A, Bernard GW. Low molecular weight hyaluronic acid increases osteogenesis in vitro. *J Dent Res* 1992; 71: 574.
- Pogrel MA, Low MA, Stern R. Hyaluronan (hyaluronic acid) and its regulation in human saliva by hyaluronidase and its inhibitors. *J Oral Science* 2003; 45(2): 85-91.
- Pothacharoen P. The quantitative analysis of chondroitin sulphate epitope and hyaluronan as diagnostic markers for degenerative joint disease by ELISA technique. Graduate school, Chiangmai University Thailand 2000.
- Redlich M, Shoshan S, Palmon A. Gingival response to orthodontic force. *Am J Orthod* 1999; 116: 152-8.
- Rietan K. Biomechanical principles and reaction. In: *Orthodontic, Current Principles and Techniques* (Edited by Graber TM. And Swain BF.), St Louis, CV Mosby 1985.
- Ronnerman A, Thilander B, Heyden G. Gingival tissue reactions to orthodontic closure of extraction sites; Histologic and histochemical studies. *Am J Orthod* 1980; 77(6): 620-5.
- Samuels RHA, Pender N, Last KS. The effects of orthodontic tooth movement on the glycosaminoglycan components of gingival crevicular fluid. *J Clin Periodontol* 1993; 20: 371-7.
- Sasaki T, Kawamata-Kido H. Providing an environment for reparative dentine induction in amputated rat molar pulp by high molecular weight hyaluronic acid. *Archs Oral Biol* 1995; 40: 209-19.
- Sato R, Yamamoto H, Kasai K, Yamauchi M. Distribution pattern of versican, link protein and hyaluronic acid in the rat periodontal ligament during experimental tooth movement. *J Periodont Res* 2002; 37(1): 15.
- Smith AJ, Wade W, Addy M, Embery G. The relationship between microbial factors and gingival crevicular fluid glycosaminoglycans in human adult periodontitis. *Archs Oral Biol* 1997; 42(1): 89-92.
- Stern M. Biology of hyaluronidases. Ph.D. Dissertation University of California, San Francisco 1996.

- Uematsu S, Mogi M, Deguchi T. Increase of transforming growth factor- β 1 in gingival crevicular fluid during orthodontic tooth movement. *Archs Oral Biol* 1996; 41: 1091-5.
- Waddington RJ, Embery G, Last KS. Glycosaminoglycans of human alveolar bone. *Archs Oral Biol* 1989; 34(7): 587-9.
- Waddington RJ, Embery G. Proteoglycans and orthodontic tooth movement. *J Orthod* 2001; 28: 281-90.
- Weigel PH, Fuller GM, LeBoeuf RD. A model for the role of hyaluronic acid and fibrin in the early events during the inflammatory response and wound healing. *J Theoretical Biol* 1986; 21: 219-34.
- Yamalik N, Kiling K, Caglayan F, Eratalay F, Caglayan G. Molecular size distribution analysis of human gingival proteoglycans and glycosaminoglycans in specific periodontal disease. *J Clin Periodontol* 1998; 25: 145-52.